DIRECTOR OF CENTRAL INTELLIGENCE
Security Committee

Computer Security Subcommittee

DCISEC-CSS-M105
13 October 1977

COMPUTER SECURITY SUBCOMMITTEE

of the

DIRECTOR CENTRAL INTELLIGENCE

SECURITY COMMITTEE

Minutes of Meeting
Held at CIA [redacted] STAT
McLean, Va.
29 September 1977

1. The one-hundred and fifth meeting of the Computer Security Subcommittee of the Director of Central Intelligence Security Committee was held between 0930 and 1300 hours on 29 September 1977 at CIA, [redacted] STAT In attendance were:

[redacted] Chairman, NSA STAT
[redacted] Executive Secretary, NSA STAT
Capt. Ron Pherigo, Air Force Member
[redacted] DIA Member STAT
Mr. James E. Studer, Army Member
Mr. Jon D. Arbogast, FBI Member
[redacted] CIA Member STAT
[redacted] DIA Alternate
Mr. Charles Leiner, IHC
Mr. Herman O. Lubbes, NAVELEX
LCDR Deean H. Beyer, OJCS Observer
[redacted] ICS STAT
[redacted] ORD/CIA STAT
[redacted] STAT

2. The security level of the meeting was unclassified.

3. Approval of Minutes: The minutes May, June, July, 3 August and 9 September 1977 were approved as written.

4. The Chairman announced that the meeting is to consist of and R&D briefing by Honeywell on their computer security development. The guest speakers from Honeywell are Mr. Matti Kert and Mr. R. J. Ziller.

The Honeywell presentation consisted of two briefings describing product lines that have incorporated security as an integral feature of their computers; i.e. MULTICS and the Mini-processor.

Honeywell initiated their Computer Security effort in 1964 with the design of a system named MULTICS. The design structure incorporates control sharing, high functional interaction, and integrated security as a standard product. The product line was sold to the following:

Year 1967 - MIT; RADC
Year 1973 - MIT; AFDSC; GM; Ford

In 1974 Honeywell improved the product line with "level 68/80".

The security package is described as easy to use and it provides protection for the entire virtual memory. The security features include user identification and passwords; virtual memory; access control lists; ring protection mechanisms; access isolation mechanisms; and access control segments. The user ID/password is characterized as unique, enternally encrypted, and randomly generated. The password is audited, verifies the ID, and is frequently changed.

The Multics Virtual Memory is composed of segments which are single logical units for all storage. There are fixed length pages of 1000 words each. The segments have access control lists for read, write, change, and delete priveleges. The security modules are exercised in a ring concept consisting of seven domains of execution. The Honeywell mini-processor line are based on similiar features as described above.

5. New Business: The next scheduled meeting was announced for 13 October 1977.

STAT

[redacted]
Executive Secretary
Computer Security Subcommittee